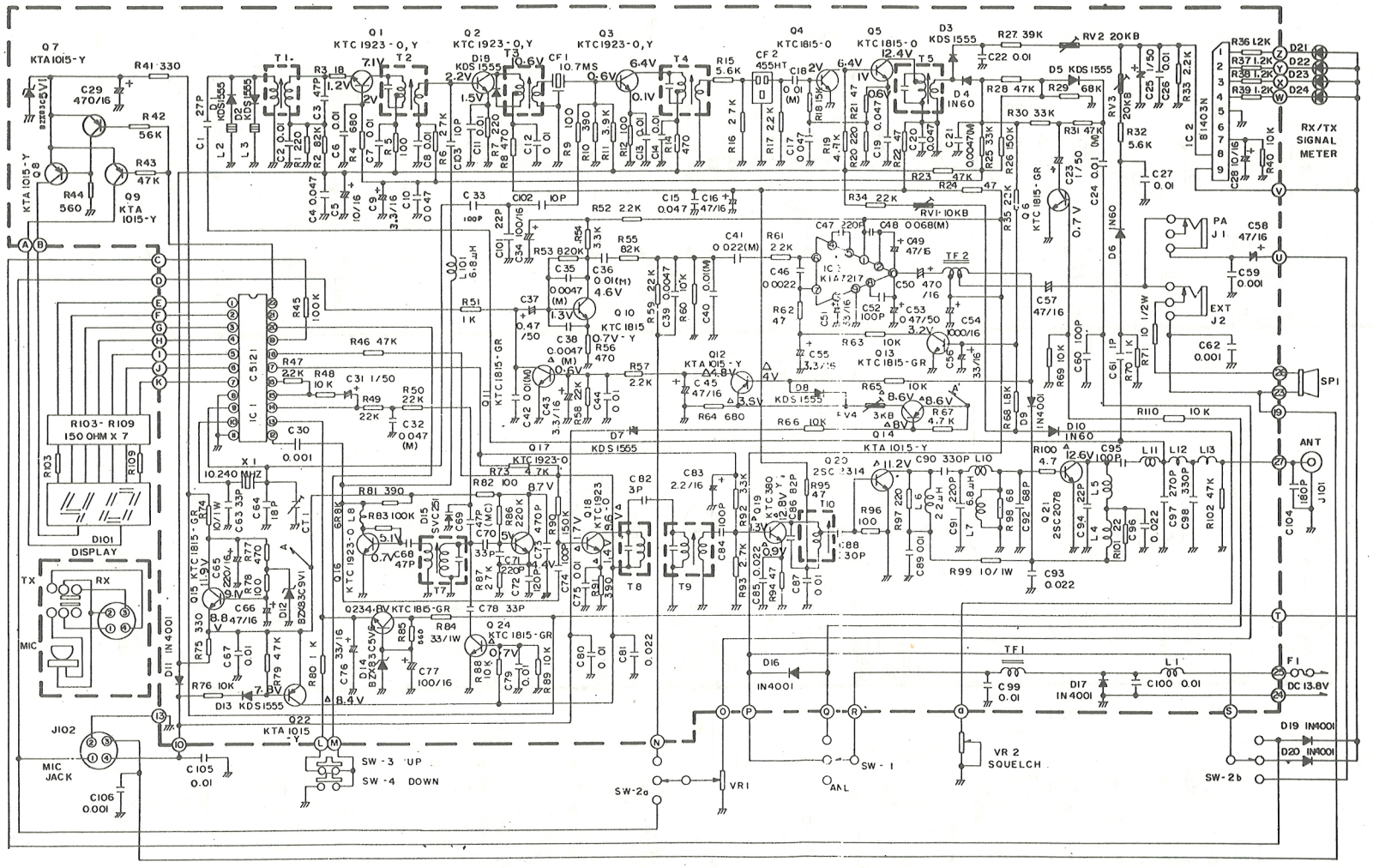
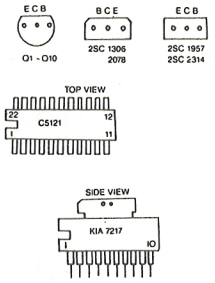
INTEK 19+



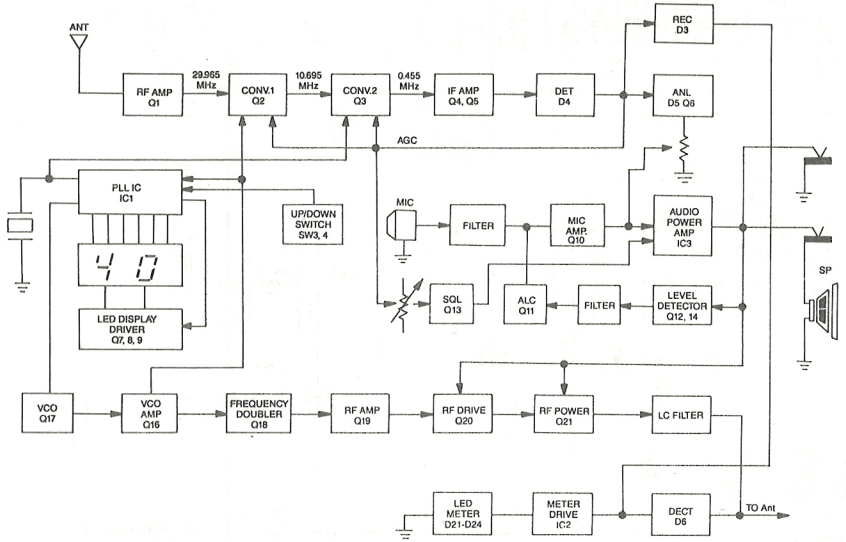
Identification	Function	No.
Receiver Section		
Q1	27MHz RF Amp	KTC1923
Q2	10,695MHz Conv.	KTC1923
Q3	455KHz Conv.	KTC1923
Q4, Q5	455KHz Amp.	KTC1815
Audio Section		
Q10	MIC. Amp.	KTC1815
Q11	ALC	KTC1815
Q14, Q14	ALC Detector	KTA1015
Q13	Squelch	KTC1815
IC3	Audio Power Amp.	KIA7217
PLL Section		
Q16	VCO Amp.	KTC1923
Q17	VCO	KTC1923
Q18	Frequency Doubler	KTC1923
Q24	TX BW	KTC1815
LED Display Section		
Q7, Q8, Q9	LED Display Driver	KTA1015
IC2	LED Meter Driver	LB1403N
TX Section		
Q19	RF Amp.	KTC380
Q20	RF Driver	2SC2314
Q21	RF Power	2SC2078
Power Section		
Q15	Regulator	KTC1815
Q22	R/TX Switch	KTA1015
Q23	Regulator	KTC1815

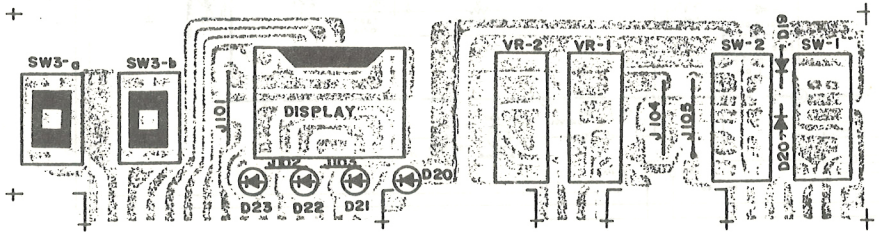
NOTE:
A VOLTS AT TRANSMIT CONDITION
ALL VOLTAGES MEASURED FROM P.C. BOARD GND WITH D.C VTVM AT NO SIGNAL (AT 13.8V POWER SUPPLY)
IF MEASUREMENT VALUES OBTAINED ARE IN EXCESS OF ±20% OF VALUES SHOWN THEN REASON FOR DIFFERENCE SHOULD BE CORRECTED

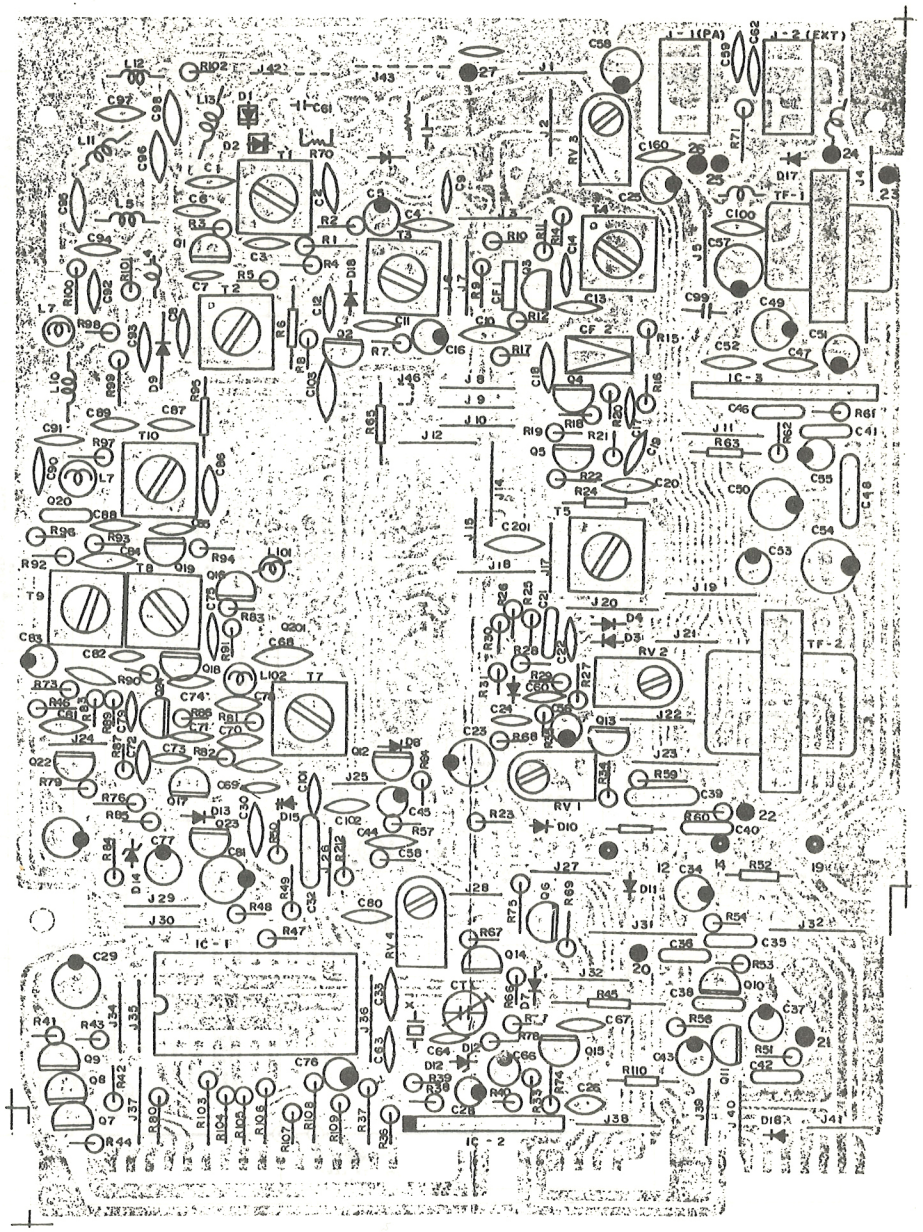
SEMICONDUCTOR TERMINAL CONNECTION



INTEK
FOX 90


ANT
RF AMP Q1
29.965 MHz
CONV.1 Q2
10.695 MHz
CONV.2 Q3
0.455 MHz
IF AMP Q4, Q5
DET D4
REC D3
ANL D5 Q6
AGC
PLL IC IC1
UP/DOWN SWITCH SW3, 4
MIC
FILTER
MIC AMP Q10
AUDIO POWER AMP IC3
SP
LED DISPLAY DRIVER Q7, 8, 9
SQL Q13
ALC Q11
FILTER
LEVEL DETECTOR Q12, 14
VCO Q17
VCO AMP Q16
FREQUENCY DOUBLER Q18
RF AMP Q19
RF DRIVE Q20
RF POWER Q21
LC FILTER
LED METER D21-D24
METER DRIVE IC2
DECT D6
TO Ant


SW3-a
SW3-b
DISPLAY
D23
D22
D21
D20
VR-2
VR-1
SW-2
SW-1
D19


J-1(PA)
J-2(EXT)
TF-1
TF-2
IC-1
IC-2
IC-3